Name of work:Asphalting to cross roads in Sheshagiri layout, Kempegowda Layout, Kerekodi road at Abbigere ,in Ward no. 12, in Shettyhalli Sub – Division.

JOB NUMBER.: Sl n-3 Est. Amount = Rs 65.00 Lakhs

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
1	Removing B.S.Slabs and stacking etc complete. (Page No. 25, I.No.5.32 of KPWD SR 2015-16)								
	ch:00-1019 consider 75% removing resting BS slab drain	Sqm	2	750.00	1.20		1800.00		
						Total Qty	**1800.00**	**63.72**	**114696.00**
2	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No.-141 I.No-19.1 of KPWD S.R 2015-16)								
	kerekodi road	Cum							
	Ch:00-1019 consider 25% new BS slab drain		2	200.00	0.80	0.8	256.00		
	ch:00-1019 consider 75% removing resting BS slab drain		2	750.00	0.60	0.3	270.00		
	culvert SSM		4	5.50	1.80	1.00	39.60		
						Total Qty	**565.60**	**178.85**	**101156.43**
3	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1,4.2 (Page No. 12, It No. 4.2 of KPWD S.R 2015-16)								
	kerekodi road	Cum							
	Ch:00-1019 consider 25% new BS slab drain		2	200.00	0.80	0.10	32.00		
	culvert SSM		4	5.50	1.80	0.15	5.94		
						Total Qty	**37.94**	**5236.92**	**198688.74**
4	Providing granite Slabs of Selected quality roughly dressed and fixed in cement mortor (1:6) including fixing curing etc,. Complete. 7.5cms thick (P.No.25, I.No.5.31.2 of PW, P&IWTD SR 2015-16)								
	Ch:00-1019 consider 25% new BS slab drain	Sqm	2	200.00	1.20		480.00		
						Total Qty	**480.00**	**663.12**	**318297.60**
5	KSRB 5.2-3: Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. (P.No.23, I.No.5.6 of PW, P&IWTD S.R 2015-16)								
	kerekodi road	Cum	8	5.50	0.60	0.60	15.84		
	culvert SSM		8	5.50	0.45	0.40	7.92		
						Total Qty	**23.76**	**4135.32**	**98255.20**
6	Refixing stone slabs of drains and pointing in C.M (1:3).(Page No.-25 I.No-5.33 of KPWD S.R 2015-16)								
	ch:00-1019 consider 75% removing resting BS slab drain	Sqm	2	750.00	1.20		1800.00		
						Total Qty	**1800.00**	**78.84**	**141912.00**
7	Providing and laying pre-cast drain cover slab of 100mm thickness in CM1:3 including cost of all materials,labour,curing, transportation, loading, unloading etc.,as per doiirections of the Enineer-in-charge. {Data Rate sheet enclosed}								
	Ch:00-1019	Sqm	2	55.00	0.70		77.00		
						Total Qty	**77.00**	**1821.00**	**140217.00**
8	Providing and laying Pre Cast Drain Cover slabs of 250mm thickness including cost of all materials, labour, curing, transportation,loading, unloading etc.,complete as per the direction of Engineer - In- Charge. (Data Rate enclosed)								
	kerekodi road	Sqm							
	culvert SSM		4	5.50	1.50		33.00		
						Total Qty	**33.00**	**5088.00**	**167904.00**
9	Earth work in soil with hydraulic excavator of 0.9 cu.m. bucket capacity including cutting and loading in tippers, trimming bottom and side slopes. In accordance with requirements of lines, grades and cross sections, and transporting to the embankment location and complete as per specifications. (Page No,-142, I.No.-19.14 of KPWD S.R 2015-16).								
	kerekodi road	Cum							
	Ch:00-650		1	650.00	5.00	0.3	975.00		
	kempegowda garden shastri layout								
	1,2&3rd main ch:650-839		3	63.00	5.00	0.3	283.50		
	2&3rd cross ch:839-1019		2	90.00	5.00	0.3	270.00		
						Total Qty	**1528.50**	**144.29**	**220544.21**

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
10	KSRRB M400-6.1. Construction of granular sub-base of Grading II Material by providing close graded material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method (Page No,-154, I.No.-20.4.2 of KPWD S.R 2015-16)								
	kerekodi road								
	Ch:00-650		1	650.00	5.00	0.10	325.00		
	kempegowda garden shastri layout	Cum							
	1,2&3rd main ch:650-839		3	63.00	5.00	0.10	94.50		
	2&3rd cross ch:839-1019		2	90.00	5.00	0.10	90.00		
						Total Qty	**509.50**	**1622.16**	**826490.52**
11	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / ChapterPage no -148.Item.No 19.64 of KPWD S.R 2015-16)								
	kerekodi road								
	Ch:00-650		1	650.00	5.00		3250.00		
	kempegowda garden shastri layout	Sqm							
	1,2&3rd main ch:650-839		3	63.00	5.00		945.00		
	2&3rd cross ch:839-1019		2	90.00	5.00		900.00		
						Total Qty	**5095.00**	**4.86**	**24761.70**
12	Providing, laying, spreading and compacting graded stone aggreate to wet mix mecadam specification including premixing the materials with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achive the desired density complete as per specifications. (Page No,-157, I.No.-20.18 of KPWD S.R 2015-16).								
	kerekodi road								
	Ch:00-650		1	650.00	5.00	0.18	585.00		
	kempegowda garden shastri layout	Cum							
	1,2&3rd main ch:650-839		3	63.00	5.00	0.18	170.10		
	2&3rd cross ch:839-1019		2	90.00	5.00	0.18	162.00		
						Total Qty	**917.10**	**1713.96**	**1571872.72**
13	KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg I sqm using mechanical means complete as per specifications. MORTH Specification No. 502 (Page No,-160, I.No.-21.6 of KPWD S.R 2015-16).								
	kerekodi road								
	Ch:00-650		1	650.00	5.00		3250.00		
	kempegowda garden shastri layout	Sqm							
	1,2&3rd main ch:650-839		3	63.00	5.00		945.00		
	2&3rd cross ch:839-1019		2	90.00	5.00		900.00		
						Total Qty	**5095.00**	**32.40**	**165078.00**
14	KSRRB 500-2. Cleaning the Existing Black Topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5 {Page no-160, Sl.no-21.2 of KPWD SR 2015-16).								
	kerekodi road								
	Ch:00-650		1	650.00	5.00		3250.00		
	kempegowda garden shastri layout	Sqm							
	1,2&3rd main ch:650-839		3	63.00	5.00		945.00		
	2&3rd cross ch:839-1019		2	90.00	5.00		900.00		
						Total Qty	**5095.00**	**3.24**	**16507.80**
15	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VGIO) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH Chapter 5 (Page No,160,I.No.-21.7 of KPWD S.R 2015-16)								
	kerekodi road								
	Ch:00-650		1	650.00	5.00		3250.00		
	kempegowda garden shastri layout	Sqm							
	1,2&3rd main ch:650-839		3	63.00	5.00		945.00		
	2&3rd cross ch:839-1019		2	90.00	5.00		900.00		
						Total Qty	**5095.00**	**15.12**	**77036.40**

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
16	KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-30 Bitumen using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509.(Page No-164 Item no - 21.22.6 of KPWD SR 2015-16)..								
	kerekodi road	Cum							
	Ch:00-650		1	650.00	5.00	0.04	130.00		
	kempegowda garden shastri layout								
	1,2&3rd main ch:650-839		3	63.00	5.00	0.04	37.80		
	2&3rd cross ch:839-1019		2	90.00	5.00	0.04	36.00		
						Total Qty	203.80	9901.17	2017858.45
17	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface - Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sq.m. area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC :35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. (Page No,-181, I.No.-24.15 of KPWD S.R 2015-16).								
	Edge Lane	Sqm	2	1019.00	0.15		305.70		
						Total Qty	305.70	473.04	144608.33
18								Total Construtions cost	63,45,885.09
19								Design Report,Proof Checking & PMC Amount	1,26,917.70
20								Sub Total	64,72,802.80
								Miscellaneous & Rounding Off	27,197.20
								Grand Total	65,00,000.00

Certificate:-

1. The workspot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2015-16
4. The provisions made in the estimate are necessary and essential.

SRI SAI CONSULTANTS BANGALORE

Consultants
For Sri Sai Consultants

Assistant Engineer
- Ward No.12
BBMP - Bangalore

Assistant Executive Engineer
Shettyhalli Sub-Division
BBMP - Bangalore

Executive Engineer
Dasarshalli
BBMP - Bangalore

ಪಾ.CE/DZ/TS/82/15-16 ದಿನಾಂಕ: 25.01.2016
ರೂ.65,00,000 (ಅರವತ್ತೈದು ಲಕ್ಷ ರೂಗಳಿಗೆ)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

P-101

ಪಾ.CE/DZ/AS/90/15-16 ದಿನಾಂಕ: 25.01.2016
ರೂ.65,00,000 (ಅರವತ್ತೈದು ಲಕ್ಷ ರೂಗಳಿಗೆ)
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ದಾಸರಹಳ್ಳಿ ವಲಯ

P-52

Asphalting to cross roads in Sheshagiri layout, Kempegowda Layout, Kerekodi road at Abbigere ,in Ward no. 12, in Shettyhalli Sub – Division.-65Lakhs

Name of work: Improvements to roads at BHEL mini colony Area, in Ward no. 13, Shettyhalli Sub – Division.

JOB NUMBER.:							SI-11	Est. Amount = Rs	35.00	Lakhs
Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity		Rate in Rs.	Amount in Rs.
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No.-141 I.No-19.1 of KPWD S.R 2015-16).									
	BHEL mini colony									
	1st Cross	Cum	2	95.0	0.80	0.70		106.40		
	2nd Cross		2	100.0	0.80	0.70		112.00		
	3rd Cross		2	100.0	0.80	0.70		112.00		
							Total Qty	**330.40**	**178.85**	**59092.04**
2	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1,4.2 (Page No. 12, It No. 4.2 of KPWD S.R 2015-16)									
	BHEL mini colony									
	1st Cross	Cum	2	95.0	0.80	0.15		22.80		
	2nd Cross		2	100.0	0.80	0.15		24.00		
	3rd Cross		2	100.0	0.80	0.15		24.00		
							Total Qty	**70.80**	**5236.92**	**370773.94**
3	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2.(Page No.-15 I.No-4.31 of KPWD S.R 2015-16)									
	BHEL mini colony									
	Bottom Slab	Sqm								
	1st Cross		2*1	95.0		0.20		38.0		
	2nd Cross		2*1	100.0		0.20		40.0		
	3rd Cross		2*1	100.0		0.20		40.0		
	Side Wall									
	1st Cross		2*4	95.0		0.70		532.0		
	2nd Cross		2*4	100.0		0.70		560.0		
	3rd Cross		2*4	100.0		0.70		560.0		
							Total Qty	**1770.00**	**306.72**	**542894.40**
4	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per directions of the Engineer-in-charge. Specification No. KBS 4.6.3(Item no: 4.46.2, Page no: 17 of KPWD S.R 2015-16).									
	BHEL mini colony	T	1	8.37				8.37		
	One cubic mt 50kg									
							Total Qty	**8.37**	**69805.80**	**5,84,421.14**

Sl No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
5	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mix concrete(RMC) for RCC works laid in 15 cms thick layers and well conpacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exlusive of cost of steel and fabrication charges) Ready mix concrete M-20 for raft foundation, coulmn and footing, main ans secondary beams.(Page No.-18 I.No-4.48 of KPWD S.R 2015-16)								
	Bottom Slab	Cum							
	1st Cross		2*1	95.0	0.80	0.15	22.8		
	2nd Cross		2*1	100.0	0.80	0.15	24.0		
	3rd Cross		2*1	100.0	0.80	0.15	24.0		
	Side Walls								
	1st Cross		2*2	95.0	0.15	0.70	39.9		
	2nd Cross		2*2	100.0	0.15	0.70	42.0		
	3rd Cross		2*2	100.0	0.15	0.70	42.0		
						Total Qty	**194.70**	**6332.04**	**1232848.19**
6	Providing and laying pre-cast drain cover slab of 100mm thickness in CM1:3 including cost of all materials,labour,curing, transportation, loading, unloading etc.,as per doiirections of the Enineer-in-charge. {Data Rate sheet enclosed}								
	BHEL mini colony	Sqm							
	1st Cross		2	95.0	0.70		133.00		
	2nd Cross		2	100.0	0.70		140.00		
	3rd Cross		1	100.0	0.70		70.00		
						Total Qty	**343.00**	**1821.00**	**624603.00**
7								**Total Constrution cost**	**34,14,632.70**
8								**Design Report,Proof Checking & PMC Amount**	**85,365.82**
9								**Sub Total**	**34,99,998.52**
10								**Miscellaneous & Rounding Off**	**1.48**
								Grand Total	**35,00,000.00**

Certificate:-

1. The workspot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2015-16
4. The provisions made in the estimate are necessary and essential.

Consultants
For Sri Sai Consultants

Assistant Engineer
Ward No-13
BBMP - Bangalore

Assistant Executive Engineer
Shettyhalli-Sub division
BBMP - Bangalore

Executive Engineer
Dasrahalli
BBMP - Bangalore

ನಂ.CE/DZ/TS/91/15-16/ದಿನಾಂಕ: 25-1-16
ರೂ.35,00,000 (ಮೂವತ್ತೈದು ಲಕ್ಷ ರೂಪಾಯಿಗಳಿಗೆ)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
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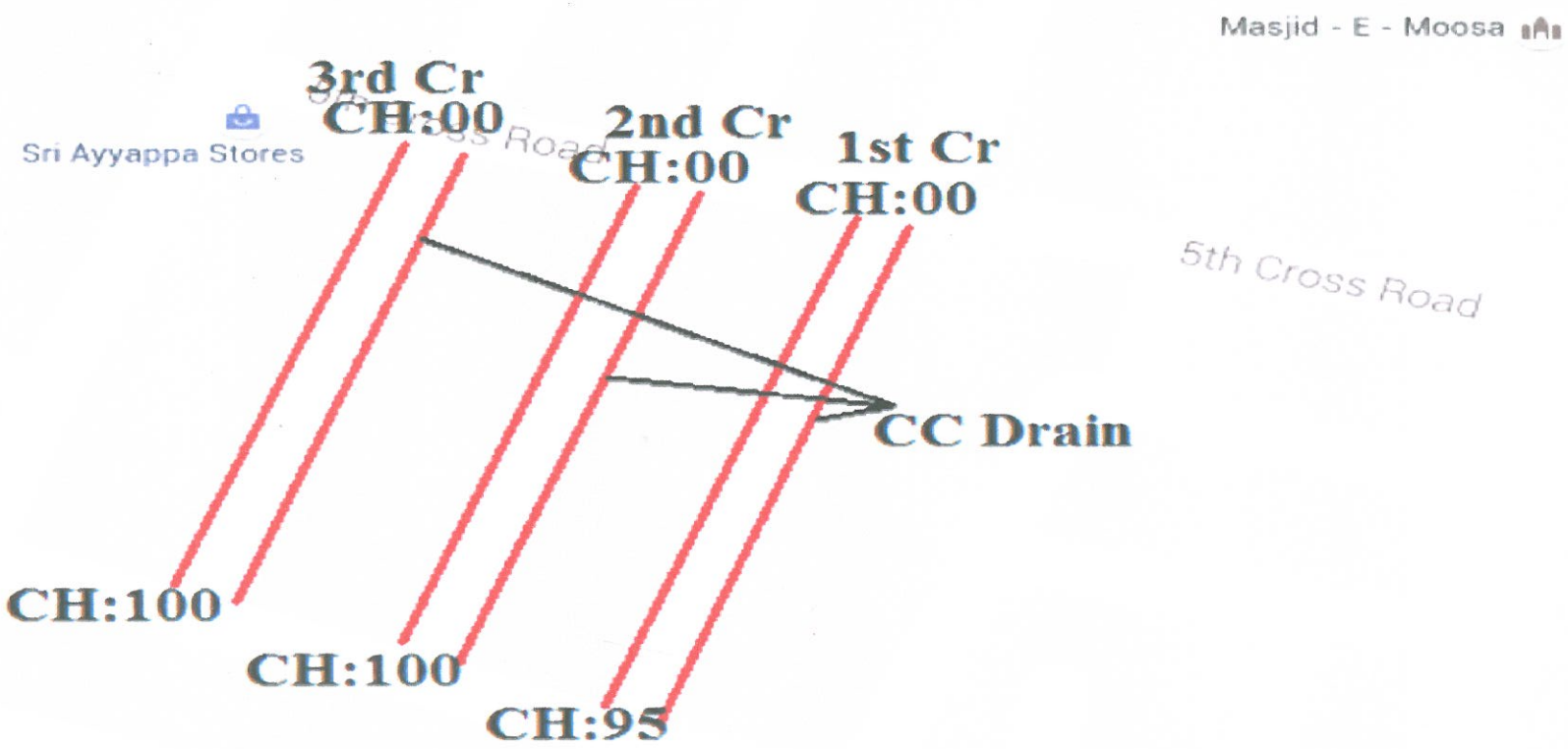
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ CE/DZ/AS/92/15-16/ದಿನಾಂಕ: 25-1-16
ರೂ.35,00,000 (ಮೂವತ್ತೈದು ಲಕ್ಷ ರೂಪಾಯಿಗಳಿಗೆ)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
P-54
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

Improvements to roads at BHEL mini colony Area, in Ward no. 13, Shettyhalli Sub – Division.- 35Lakhs



Name of work: Improvements to road and Footpath to Ravindranagara 4th Main in Ward no. 13, Shettyhalli Sub – Division.

JOB NUMBER.:							SI-14	Est. Amount = Rs	35.00	Lakhs
Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity		Rate in Rs.	Amount in Rs.
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No.-141 I.No-19.1 of KPWD S.R 2015-16).									
	Ravindranagara									
	11th Cross	Cum	2	95.0	0.80	0.70	106.4			
	12th Cross		2	95.0	0.80	0.70	106.4			
	13th Cross		2	90.0	0.80	0.70	100.8			
						Total Qty	313.60		178.85	56087.36
2	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1,4.2 (Page No. 12, It No. 4.2 of KPWD S.R 2015-16)									
	Ravindranagara									
	11th Cross	Cum	2	95.0	0.80	0.15	22.8			
	12th Cross		2	95.0	0.80	0.15	22.8			
	13th Cross		2	90.0	0.80	0.15	21.6			
						Total Qty	67.20		5236.92	351921.02
3	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2.(Page No.-15 I.No-4.31 of KPWD S.R 2015-16)									
	Ravindranagara									
	Bottom Slab	Sqm								
	11th Cross		2*1	95.0		0.20	38.0			
	12th Cross		2*1	95.0		0.20	38.0			
	13th Cross		2*1	90.0		0.20	36.0			
	Side Wall									
	11th Cross		2*4	95.0		0.70	532.0			
	12th Cross		2*4	95.0		0.70	532.0			
	13th Cross		2*4	90.0		0.70	504.0			
						Total Qty	1680.00		306.72	515289.60
4	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per directions of the Engineer-in-charge. Specification No. KBS 4.6.3(Item no: 4.46.2, Page no: 17 of KPWD S.R 2015-16).									
	Ravindranagara									
	One cubic mt 50kg	T	1	8.69			8.69			
						Total Qty	8.69		69805.80	6,06,305.26

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
5	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mix concrete(RMC) for RCC works laid in 15 cms thick layers and well conpacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exlusive of cost of steel and fabrication charges) Ready mix concrete M-20 for raft foundation, coulmn and footing, main ans secondary beams.(Page No.-18 I.No-4.48 of KPWD S.R 2015-16)								
	Bottom Slab	Cum							
	11th Cross		2*1	95.0	0.80	0.15	22.8		
	12th Cross		2*1	95.0	0.80	0.15	22.8		
	13th Cross		2*1	90.0	0.80	0.15	21.6		
	Side Walls								
	11th Cross		2*2	95.0	0.15	0.70	39.9		
	12th Cross		2*2	95.0	0.15	0.70	39.9		
	13th Cross		2*2	90.0	0.15	0.70	37.8		
						Total Qty	184.80	6332.04	1170160.99
6	Providing and laying pre-cast drain cover slab of 100mm thickness in CM1:3 including cost of all materials,labour,curing, transportation, loading, unloading etc.,as per doiirections of the Enineer-in-charge. {Data Rate sheet enclosed}								
	Ravindranagara	Sqm							
	11th Cross		2	95.00	0.70		133.00		
	12th Cross		2	95.00	0.70		133.00		
	13th Cross		2	90.00	0.70		126.00		
						Total Qty	392.00	1821.00	713832.00
7								Total Constrution cost	34,13,596.23
8								Design Report,Proof Checking & PMC Amount	85,339.91
9								Sub Total	34,98,936.14
10								Miscellaneous & Rounding Off	1,063.86
								Grand Total	35,00,000.00

Certificate:-

1. The workspot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2015-16
4. The provisions made in the estimate are necessary and essential.

SRI SAI CONSULTANTS BANGALORE-91

Consultants
For Sri Sai Consultants

Assistant Engineer
Ward No-13
BBMP - Bangalore

Assistant Executive Engineer
Shettyhali-Sub division
BBMP - Bangalore

Executive Engineer
Dasrahalli
BBMP - Bangalore

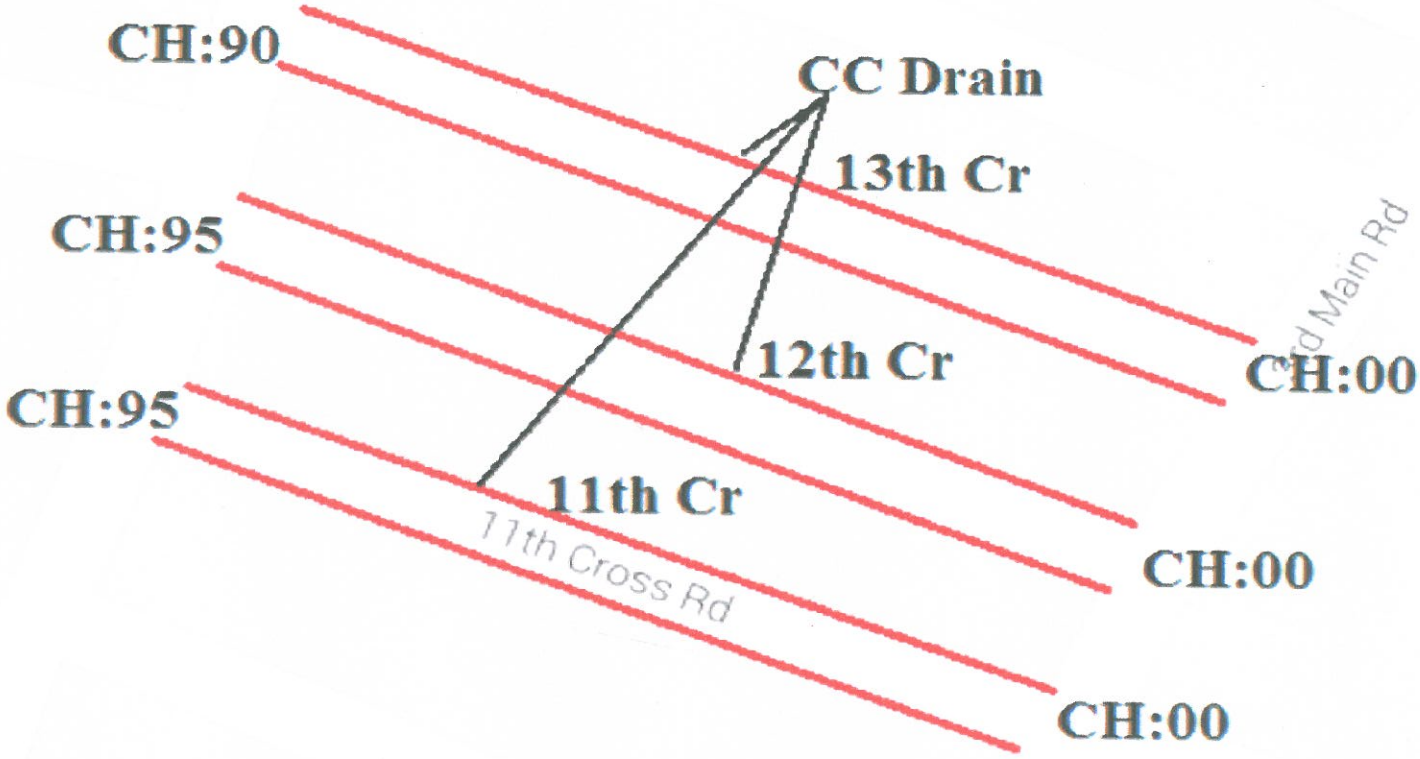
ನಂ.CE/DZ/TS/94/15-16/ದಿನಾಂಕ: 25-1-16
ರೂ.35,00,000 (ಮೂವತ್ತ ಐದು ಲಕ್ಷ ರೂಪಾಯಿಗಳಿಗೆ)
ಗೆ ಮೇಲ್ಕಂಡ ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

P-102

ನಂ.CE/DZ/AS/94/15-16/ದಿನಾಂಕ: 25-1-16
ರೂ.35,00,000 (ಮೂವತ್ತ ಐದು ಲಕ್ಷ ರೂಪಾಯಿಗಳಿಗೆ)
ಗೆ ಮೇಲ್ಕಂಡ ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ದಾಸರಹಳ್ಳಿ ವ...

P-5A

Improvements to road and Footpath to Ravindranagara 4th Main in Ward no. 13, Shettyhalli Sub – Division.-35Lakhs



Name of work:Improvements to Asphalting roads Lake view layout and shanthi layout in Ward no. 13, Shettyhalli Sub – Division.

JOB NUMBER.:							SI-17	Est. Amount = Rs	45.00	Lakhs
Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity		Rate in Rs.	Amount in Rs.
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (Page No.-141 I.No-19.1 of KPWD S.R 2015-16)									
	Lake view layout									
	2nd Main	Cum	2	210.00	0.80	0.70		235.20		
							Total Qty	235.20	178.85	42065.52
2	KSRB 4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1,4.2 (Page No. 12, It No. 4.2 of KPWD S.R 2015-16)									
	Lake view layout									
	2nd Main	Cum	2	210.00	0.80	0.15		50.40		
							Total Qty	50.40	5236.92	263940.77
3	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2.(Page No.-15 I.No-4.31 of KPWD S.R 2015-16)									
	Lake view layout									
	Bottom Slab									
	1st Main		2*1	105.0		0.20		42.0		
	2nd Main		2*1	210.0		0.20		84.0		
	Side Wall	Sqm								
	1st Main		2*4	105.0		0.70		588.0		
	2nd Main		2*4	210.0		0.70		1176.0		
							Total Qty	1890.00	306.72	579700.80
4	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and as per directions of the Engineer-in-charge. Specification No. KBS 4.6.3(Item no: 4.46.2, Page no: 17 of KPWD S.R 2015-16).									
	Lake view layout									
	One cubic mt 50kg	T	1	12.47				12.47		
							Total Qty	12.47	69805.20	8,70,750.06
5	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mix concrete(RMC) for RCC works laid in 15 cms thick layers and well conpacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exlusive of cost of steel and fabrication charges) Ready mix concrete M-20 for raft foundation, coulmn and footing, main ans secondary beams.(Page No.-18 I.No-4.48 of KPWD S.R 2015-16)									
	Bottom Slab									
	1st Main		2*1	105.0	0.80	0.15		25.2		
	2nd Main		2*1	210.0	0.80	0.15		50.4		
	Side Walls	Cum								
	1st Main		2*2	105.0	0.15	0.70		44.1		
	2nd Main		2*2	210.0	0.15	0.70		88.2		
							Total Qty	207.90	6332.04	1316431.12
6	Providing and laying pre-cast drain cover slab of 100mm thickness in CM1:3 including cost of all materials,labour,curing, transportation, loading, unloading etc.,as per doiirections of the Enineer-in-charge. {Data Rate sheet enclosed}									
	Lake view layout									
	1st Main		1	60.0	0.70			42.0		
	2nd Main	Sqm	2	210.00	0.70			294.00		
							Total Qty	336.00	1821.00	611856.00

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
7	Earth work in soil with hydraulic excavator of 0.9 cu.m. bucket capacity including cutting and loading in tippers, trimming bottom and side slopes. In accordance with requirements of lines, grades and cross sections, and transporting to the embankment location and complete as per specifications. (Page No,-142, I.No.-19.14 of KPWD S.R 2015-16).								
	Bwssb cutting Along the Road	Cum	1	100.00	0.50	0.3	15.00		
						Total Qty	15.00	144.29	2164.35
8	KSRRB M400-6.1. Construction of granular sub-base of Grading II Material by providing close graded material, mixing in a mechaical mix plant at OMC, carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, complete as per specifications. A. Plant Mix Method (Page No,-154, I.No.-20.4.2 of KPWD S.R 2015-16)								
	Lake view layout								
	Bwssb cutting Along the Road	Cum	1	100.00	0.50	0.15	7.50		
						Total Qty	7.50	1622.16	12166.20
9	KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling including cost of all labour, HOM of machinery complete as per specifications. MORTH / ChapterPage no -148.Item.No 19.64 of KPWD S.R 2015-16)								
	Lake view layout								
	Bwssb cutting Along the Road	Sqm	1	100.00	0.50		50.00		
						Total Qty	50.00	4.86	243.00
10	Providing, laying, spreading and compacting graded stone aggreate to wet mix mecadam specification including premixing the materials with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achive the desired density complete as per specifications. (Page No,-157, I.No.-20.18 of KPWD S.R 2015-16).								
	Lake view layout								
	Bwssb cutting Along the Road	Cum	1	100.00	0.50	0.18	9.00		
						Total Qty	9.00	1713.96	15425.64
11	KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg I sqm using mechanical means complete as per specifications. MORTH Specification No. 502 (Page No,-160, I.No.-21.6 of KPWD S.R 2015-16).								
	Bwssb cutting Along the Road	Sqm	1	100.00	0.50		50.00		
						Total Qty	50.00	32.40	1620.00
12	KSRRB 500-2. Cleaning the Existing Black Topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive bituminous treatment including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH / Chapter 5 {Page no-160, Sl.no-21.2 of KPWD SR 2015-16).								
	Lake view layout								
	1st main	Sqm	1	105.00	4.50		472.50		
	2nd main		1	210.00	5.30		1113.00		
						Total Qty	1585.50	3.24	5137.02
13	KSRRB 500-7. Providing and applying tack coat using 80/100 grade bitumen(VGIO) on the prepared black topped surfaces at 2.5 kg per 10sqm, heating bitumen in boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, HOM of machineries complete as per specifications.MORTH Chapter 5 (Page No,160,I.No.-21.7 of KPWD S.R 2015-16)								
	Lake view layout								
	1st main	Sqm	1	105.00	4.50		472.50		
	2nd main		1	210.00	5.30		1113.00		
	Bwssb cutting Along the Road		1	100.00	0.50		50.00		
						Total Qty	1163.00	15.12	17584.56
14	KSRRB M500-19. Providing and laying bituminous concrete 40 mm thick with hot mix plant, using40/60 TPH capacity H.M.P. with Mechanical Paver Gr-II (30 mm to 45 mm) with 6 % VG-30 Bitumen using crushed aggregates of specified grading, premixed with bituminous binder and filler, transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH Specification No. 509.(Page No-164 Item no - 21.22.6 of KPWD SR 2015-16)..								
	Lake view layout								
	1st main	Cum	1	105.00	4.50	0.04	18.90		
	2nd main		1	210.00	5.30	0.04	44.52		
	Bwssb cutting Along the Road		1	100.00	0.50	0.04	2.00		
						Total Qty	65.42	9901.17	647734.54

Sl. No.	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
15	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface - Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sq.m. area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC :35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. (Page No,-181, I.No.-24.15 of KPWD S.R 2015-16).								
	Edge Lane	Sqm	1	315.00	0.15		47.25		
						Total Qty	47.25	473.04	22351.14
16								Total Constrution cost	44,09,170.72
17								Design Report,Proof Checking & PMC Amount	88,183.41
18								Sub Total	44,97,354.13
								Miscellaneous & Rounding Off	2,645.87
								Grand Total	45,00,000.00

Certificate:-

1. The workspot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2015-16
4. The provisions made in the estimate are necessary and essential.

Consultants
For Sri Sai Consultants

Assistant Engineer
Ward No.-13
BBMP - Bangalore

Assistant Executive Engineer
Shettyhalli Sub-Division
BBMP - Bangalore

Executive Engineer
Dasarahalli
BBMP - Bangalore

ನಂ.CE/02/TS/85/15-16 ದಿನಾಂಕ: 25-1-16
ರೂ.45,00,000 (ನಲವತ್ತ ಐದು ಲಕ್ಷ ಯಾಗಕ್ಕೆ)
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
P-101
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ.CE/02/AS/84/15-16/ದಿನಾಂಕ 25-1-16
ರೂ.45,00,000 (ನಲವತ್ತ ಐದು ಲಕ್ಷ ಯಾಗಕ್ಕೆ)
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
P-51
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.